

| ISSUE CLASSIFICATION |          |
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| Class                | Subclass |

PATENT NUMBER

U.S. **UTILITY** Patent Application

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| O.I.P.E.<br>12W<br>SCANNED <i>Am</i> Q.A. <i>GH</i> | PATENT DATE |
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| APPLICATION NO.<br>09/640204 | CONT/PRIOR | CLASS<br>710 | SUBCLASS<br>X | ART UNIT<br>2182 | EXAMINER<br><del>SM/TKD</del> |
|------------------------------|------------|--------------|---------------|------------------|-------------------------------|

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Ralf Koetter

375

227  
350

2631

CORRIEWS

| TITLE                   | APPLICANTS                     |
|-------------------------|--------------------------------|
| 1. <b>Chairman</b>      | 1. <b>Mr. J. Edgar Hoover</b>  |
| 2. <b>Vice Chairman</b> | 2. <b>Mr. J. Edgar Hoover</b>  |
| 3. <b>Members</b>       | 3. <b>Mr. J. Edgar Hoover</b>  |
| 4. <b>Members</b>       | 4. <b>Mr. J. Edgar Hoover</b>  |
| 5. <b>Members</b>       | 5. <b>Mr. J. Edgar Hoover</b>  |
| 6. <b>Members</b>       | 6. <b>Mr. J. Edgar Hoover</b>  |
| 7. <b>Members</b>       | 7. <b>Mr. J. Edgar Hoover</b>  |
| 8. <b>Members</b>       | 8. <b>Mr. J. Edgar Hoover</b>  |
| 9. <b>Members</b>       | 9. <b>Mr. J. Edgar Hoover</b>  |
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| 97. <b>Members</b>      | 97. <b>Mr. J. Edgar Hoover</b> |

Iterative MMSE equalization-decoder soft information exchange  
decoding method and device

PTO-2040  
12/98

| ISSUING CLASSIFICATION       |  |          |  |                    |                                   |  |  |  |  |  |  |  |
|------------------------------|--|----------|--|--------------------|-----------------------------------|--|--|--|--|--|--|--|
| ORIGINAL                     |  |          |  | CROSS REFERENCE(S) |                                   |  |  |  |  |  |  |  |
| CLASS                        |  | SUBCLASS |  | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |  |  |  |  |  |
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| INTERNATIONAL CLASSIFICATION |  |          |  |                    |                                   |  |  |  |  |  |  |  |
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|--|--|-------------|------------|-----------------------------------|----------------------|
| <input type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>  | <b>DRAWINGS</b>                              |             |            | <b>CLAIMS ALLOWED</b>             |                      |
|  | Sheets Drwg.                                 | Figs. Drwg. | Print Fig. | Total Claims                      | Print Claim for O.G. |
| <input type="checkbox"/> The term of this patent<br>subsequent to _____ (date)<br>has been disclaimed.   | _____<br>(Assistant Examiner) (Date)         |             |            | <b>NOTICE OF ALLOWANCE MAILED</b> |                      |
|  |  |             |            |                                   |                      |
| <input type="checkbox"/> The term of this patent shall<br>not extend beyond the expiration date<br>of U.S. Patent. No. _____<br><br>_____<br><br>_____ | _____<br>(Primary Examiner) (Date)           |             |            | <b>ISSUE FEE</b>                  |                      |
|  |  |             |            | Amount Due                        | Date Paid            |
| <input type="checkbox"/> The terminal ____ months of<br>this patent have been disclaimed.  | _____<br>(Legal Instruments Examiner) (Date) |             |            | <b>ISSUE BATCH NUMBER</b>         |                      |

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